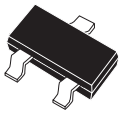
查询CMPF4416A供应商

CMPF4416A

SILICON N-CHANNEL JFET



SOT-23 CASE

Central™
Semiconductor Corp.

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CMPF4416A type is an epoxy molded N-Channel Silicon Junction Field Effect Transistor manufactured in an SOT-23 case, designed for VHF amplifier and mixer applications.
Marking code is 6BG.

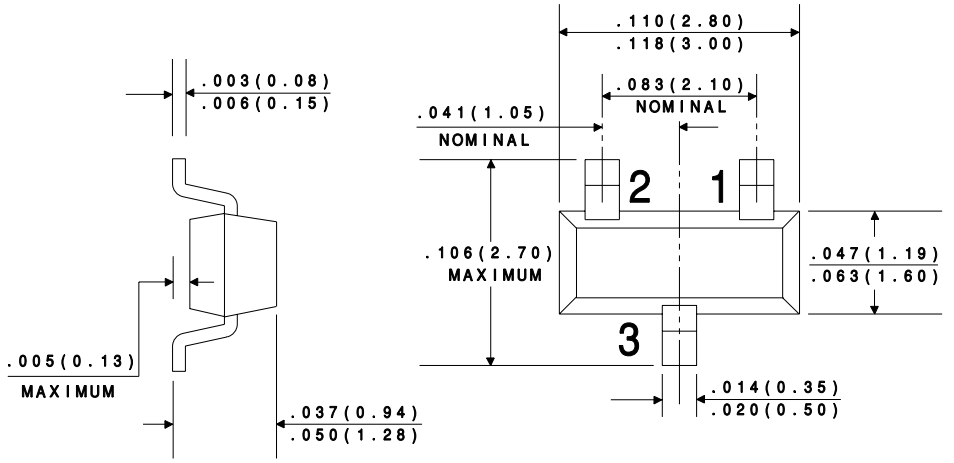
MAXIMUM RATINGS (T_A=25°C)

	SYMBOL		UNITS
Drain-Source Voltage	V_{DS}	35	V
Gate-Source Voltage	V_{GS}	35	V
Gate Current	I_G	10	mA
Power Dissipation	P_D	350	mW
Operating and Storage Junction Temperature	T_J, T_{stg}	-65 to +150	°C
Thermal Resistance	Θ_{JA}	357	°C/W

ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I_{GSS}	V_{GS}=20V		1.0	nA
I_{DSS}	V_{DS}=15V, V_{GS}=0	5.0	15	mA
BV_{GSS}	I_G=1.0μA	35		V
$V_{GS(off)}$	V_{DS}=15V, ID=1.0nA	2.5	6.0	V
g_{fs}	V_{DS}=15V, V_{GS}=0, f=1.0kHz	4.5	7.5	mmhos
C_{iss}	V_{DS}=15V, V_{GS}=0, f=1.0MHz		4.5	pF
C_{rss}	V_{DS}=15V, V_{GS}=0, f=1.0MHz		1.2	pF
N_F	V_{DS}=15V, V_{GS}=0, f=1.0kHz, R_G=1.0MΩ		2.5	dB

All dimensions in inches (mm).



LEAD CODE:

1) DRAIN
2) SOURCE
3) GATE

R2